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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/733,387	12/12/2003	Marie-Madeleine Cals-Grierson	016800-655	8526
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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Addison Commence	10/733,387	CALS-GRIERSON, MARIE- MADELEINE	
Office Action Summary	Examiner	Art Unit	
•	Raymond J. Henley III	1614	
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet with the	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION AND STATE OF THIS COMMUNICATION BY THE STATE OF THE STA	DN. timely filed om the mailing date of this communication. NED (35 U.S.C.§ 133).	
Status			
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This action for alloware closed in accordance with the practice under the practic	s action is non-final. Ince except for formal matters, p		
Disposition of Claims			
4) ☐ Claim(s) 1-23 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-23 are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	cepted or b) objected to by the drawing(s) be held in abeyance. Stion is required if the drawing(s) is a	See 37 CFR 1.85(a). Objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119	•		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applica prity documents have been recei nu (PCT Rule 17.2(a)).	ation No ived in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summa Paper No(s)/Mail 5) Notice of Informa 6) Other:		

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CLAIMS 1-23 ARE PRESENTED FOR EXAMINATION

Election/Restrictions

Initially, an informality is noted at page 1, paragraph [0002] of the present specification, i.e., "[0002] Copending application Serial No. ______ (Attorney Docket No. 016800-654), filed concurrently herewith and assigned to the assignee hereof." Also, it is noted in the Oath/Declaration that priority under 35 U.S.C. § 371 is claimed based on PCT/FR02/02064, filed June 14, 2002 and under 35 U.S.C. § 119 (a-d).

In response to this Office action, it would be appreciated if Applicants could provide the missing Application Serial No. Also, it would benefit Applicants, and would appreciated by the Examiner, if an English Language translation could be provided of either document, i.e., to confirm that the present application is a continuation of the PCT/priority document and to gain the benefit of the filing date of such documents, i.e., because the documents are not in English, such documents cannot be used for the purpose of antedating a reference that the Examiner might discover during the examination process of the present application.

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 2 and 3, drawn to methods, i.e., a regime or regimen, for slowing or inhibiting cell differentiation and/or proliferation or for slowing or inhibiting the growth of epidermis and/or treating hyperproliferative disorders, both comprising the administration of an

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effective amount of N,N'-bis(2-pyridyl)methyl-N-N'-bis(3,4,5-trimethoxybenzyl) ehtylenediamine;

Group II, claims 4 and 5, drawn to a method, i.e., a regime or regimen, inhibiting the degradation and/or destruction or cells <u>or</u> inhibiting a cellular apoptotic process, both comprising the administration of an effective amount of N,N'-bis(2-pyridyl)methyl-N-N'-bis(3,4,5-trimethoxybenzyl) ehtylenediamine;

Group III, claim 6, drawn to a method, i.e., a regime or regimen, for treating intrinsic and/or extrinsic aging, comprising administering to an individual in need of such treatment, an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-trimethoxybenzylethylenedinmine;

Group IV, claim 7, drawn to a method, i.e., a regime or regimen, for inhibiting or suppressing an immunological and/or inflammatory process, comprising administering to an individual in need of such treatment, an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-trimethoxybenzylethylenedinmine;

Group V, claim 8, drawn to a method, i.e., a regime or regimen, for treating a contact hypersensitivity and/or an immune response, comprising administering an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine;

Group VI, claims 9, 10, 12 and 13, directed to a method, i.e., a regime or regimen, for treating a skin reaction neurogenic in origin, <u>or</u> for treating "sensitive skin", <u>or</u> for treating erythema, <u>or</u> for treating localized or diffuse erythemal skin rash, comprising administering an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine;

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Group VII, claim 11, directed to a method, i.e., a regime or regimen, for increasing the barrier effect or moisturization of the skin, comprising administering an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine;

Group VIII, claim 14, directed to a method, i.e., a regime or regimen, for treating rosacea comprising administering an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine;

Group IX, claim 15, directed to a method, i.e., a regime or regimen, for inhibiting melanogenesis induced by UV-A and/or UV-B radiation, comprising administering an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine;

Group X, claim 16, directed to a method, i.e., a regime or regimen, for controlling sweating, comprising administering an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine;

Group XI, claim 17, directed to a method, i.e., a regime or regimen, for inhibiting hair loss, comprising administering an effective NO-synthase inhibiting amount of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine;

Group XII, claims 20-23, directed to composition suited for various therapeutic methods comprising an effective amount of, *inter alia*, N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine.

Linking Claims

Claims 1 and 18 and 19 link inventions I-XI. The restriction requirement between the linked inventions is subject to the nonallowance of these linking claims. Upon the allowance of

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the linking claims, the restriction/lack of unity requirement as to the linked inventions shall be withdrawn and any claims depending from or otherwise including all the limitations of the allowable linking claims will be entitled to examination in the instant application. Applicants are advised that if any such claims depending from or including all the limitations of the allowable linking claims is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Independent/Distinct Nature of Inventions/Undue Burden on Examiner

The inventions listed as Groups I-XI do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Groups I-XI involve the treatment of diseases/conditions/disorders having different pathoetiological characteristics, therapeutic considerations and different conventional treatment options which support the Examiner's finding. The objective of the methods could be accomplished by the use of any number of a different population of active agents. For example, inhibiting cell differentiation (Group I) could be effectively accomplished through the administration of an agent such as 5-fluorouracil while the inhibition of hair loss could be accomplished by surgical means, i.e., hair transplantation from the rear or a persons scalp to the front or by medical means such as by the application of minoxidil. Therefore, the inventions of Groups I-XII Inventions are unrelated except for the fact that each is directed to a treatment method of a condition/disease/disorder. Inventions are

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unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01).

Further the inventions of Groups I-XI and the invention of group XII are different in that they are related by method of use and product for use in such methods. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case a composition containing N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine, because it functions as a NO synthase inhibiting compound could be used to practice an invention that is does not have unity with any one of the inventions of Groups I-XII. An example of such would be the use of N,N-bis(2-pyridyl)methyl-N,N-bis (3,4,5-rimethoxybenzylethylenedinmine for the protection of the body against oxidative stress (see the present specification at page 4, paragraph [0021].

Further Election of Species

Should applicant elect either of Group XII, then further election of a physiologically acceptable medium (claim 21) and of "at least one other active agent" (claim 23) is required.

Should Applicant elect Group 1 above, Applicant is further required, in reply to this action, to elect a single disease/condition species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an

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election. Also, upon the allowance of a generic claim, applicants will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The species listed above, i.e., in claims 21 and 23, do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: the listing of different dosage forms and active agents involve different formulation and therapeutic considerations.

Applicant is advised that the reply to this requirement to be complete <u>must include</u> an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond J. Henley III whose telephone number is 571-272-0575. The examiner can normally be reached on M-F, 8:30 am to 4:00 pm Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low can be reached on 571-272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Raymond J Henley III Primary Examiner Art Unit 1614 Page 8

November 9, 2005